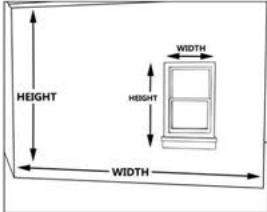


CLIPSTONE

installation instructions

MORTARLESS STONE VENEER
BY ENVIRONMENTAL STONWORKS®

Fig.1



Determining Amount of ClipStone® needed

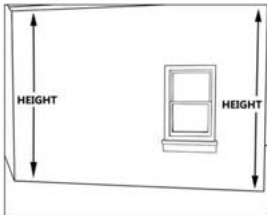
NUMBER OF FLAT STONES (see Fig. 1)

Calculate wall area to be covered with stone (height X width) and subtract area of window and door openings (if applicable). Then add 5% - 10% additional stone material for waste due to cutting or breakage.

NUMBER OF CORNER STONES (see Fig. 2)

Measure the height of all corner edges to determine the total linear feet of corners needed. Add 5%-10% for waste. Also subtract 50% of the corner linear feet from your flat stone calculation to account for wall coverage of corners.

Fig.2



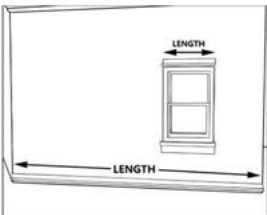
AMOUNT OF STARTER STRIP NEEDED (see Fig. 3)

Starter strips are required at the bottom of a wall or across the top of all windows, doors and other openings. Measure the total lineal dimension of all window widths, door widths and the length of all walls to be stoned to calculate the total linear feet of starter strip needed.

NUMBER OF OUTLET STONES

If you have electrical outlets in your wall or project space, count the number of outlets and order an Outlet Stone for each outlet.

Fig.3



NUMBER OF DECORATIVE SILLS FOR WINDOWS

Measure lineal foot dimension of window sills needed under windows and to cap a wainscot. Divide the total linear feet by 2 to calculate the number of pieces.

Tools Required

- 1" to 1.5" screws with waffle head design
- Screw gun
- 2 to 4 foot level
- Small torpedo level
- Slap stapler (for external applications to fasten paper to wall)
- Chop saw or other cutting tool

How to cut stone (if needed)

- ClipStone is easily cut both horizontally and vertically with a chop saw. PLEASE WEAR APPROPRIATE CLOTHING, GLOVES, EYE PROTECTION AND OTHER SAFETY EQUIPMENT RECOMMENDED BY THE CUTTING TOOL MANUFACTURER.
- ClipStone installation requires two points of attachment per piece for fastening to the substrate.
- If this cannot be done, use Loctite PL Construction Adhesive to adhere stone surfaces together where there is a difficult area for attachment (i.e. under a soffit)

Fig.4



Before You Begin

FOR EXTERIOR WALL PREPARATION (see Fig. 4)

- ClipStone is designed to install over 7/16 inch or greater OSB or plywood sheathing attached to wood or metal studs.
- If any questions as to the structural integrity of the sheathing or framing, contact a qualified contractor or building inspector.
- Install two layers of Grade D Breathable Water Resistant Barrier over sheathing and fasten to wall with staples or other means.
- Ensure all paper edges are flashed to substrate to prevent moisture movement to back of WRB.
- Ensure all openings and penetrations are properly flashed.
- Ensure compliance to all local and national building codes as they change from location to location.

Fig.5



FOR INTERIOR WALL PREPARATION (see Fig. 5)

- Clipstone is intended for installation over 7/16 inch minimum plywood or OSB.
DO NOT INSTALL CLIPSTONE DIRECTLY TO DRYWALL.
- Install minimum 7/16 inch or greater OSB or plywood substrate to wood studs to act as substrate for ClipStone installation.
- If any questions as to the structural integrity of the sheathing or framing, contact a qualified contractor or building inspector.
- Insure plywood is attached to the structural studs behind the drywall in accordance with local and national codes.
- For interior applications, Water Resistant Barrier or housewrap is not required.



NO MORTAR
NO MESS



Installing ClipStone® is easy.

Once you've prepped your wall or project space, you can finish the job in 6 simple steps:

Fig.6



STEP 1: ATTACH STARTER STRIP (see Fig. 6)

- Starter strips are required at the bottom of a wall and across the top of all windows, doors and other openings.
- Attach Starter Strip 1" below the bottom of where you want your stone wall height to start.
- Cut the Starter Strip to the length of wall being covered with ClipStone.
- Have outer layer of Water Resistant Barrier (WRB) positively flashed/layered over top of starter strip a minimum of 2 inches
- Make sure starter strip is level.

Fig.7



STEP 2: START WITH THE CORNERS (see Fig. 7)

- Starting with the outside corners at the starter strip, install the first corner by lowering the bottom end of the clip into the groove of the starter strip and insure it is level.
- ClipStone corners are reversible and can be installed in either direction.
- Alternate each corner left to right (short leg and long leg) up 3 or 4 feet by tucking bottom of clip behind the stone below and attaching screws in all visible eyelets.
- Tip: Offset corner short leg 3/8 inch off wall to allow for potential settling or house movement.

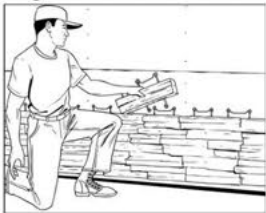
Fig.8



STEP 3: COMPLETE YOUR FIRST ROW (see Fig. 8)

- Place first course of ClipStone pieces by inserting the bottom of clip into the v-groove of the Starter Strip.
- Check for level prior to attachment to wall.
- While gently pushing back and down, insert screws into the top of each top eyelets of the leveled stone. Once secure, the piece of stone should be snug when gently pulling on it.
- Measure and cut final ClipStone piece in row with a chop saw to fit the space at the end of a row. Each piece must always have two points of attachment. If necessary, cut a few pieces to the left or right of the clips to allow for this.

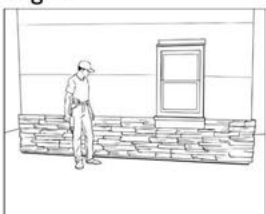
Fig.9



STEP 4: COMPLETE YOUR OTHER ROWS (see Fig. 9)

- Repeat as above, always starting with the corners.
- Remember to alternate the short and long wing of corners after corners built up several more feet, install flat pieces across the wall from the corner.
- Tip: When installing a new piece, bend top clip forward and tuck bottom legs behind stone below. Then push top of piece back toward wall. With a gentle pressure back and down, screw piece into wall.

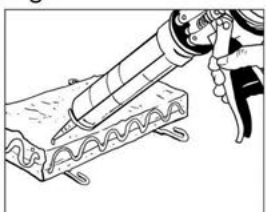
Fig.10



STEP 5: ADDING ACCESSORIES (see Fig. 10)

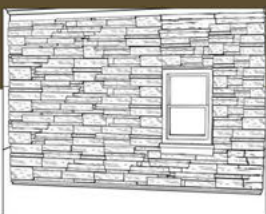
- 20 inch long Tapered sills are available for capping wainscot or as a window sill to carry water away from windows.
- Where outlets are present, an outlet stone is available to fit over a single gang electrical box that has been installed by a licensed professional in compliance with local building codes.
- Both accessories come with attachment clips and installed with approved fasteners similar to flats and corners above.
- Tip: For tapered sills below siding, it may be advantageous to partially remove first course of siding to secure sill to wall.

Fig.11



STEP 6: FINISHING YOUR INSTALLATION (see Fig. 11)

- Once you've reached your final top row, finish your project with either a Drip Ledge Stone for a wainscot cap or cut the ClipStone pieces to fit in the remaining area, always trying to maintain two points of fastening to the substrate.
- Cut stone as needed to fit both horizontally and vertically (see "How to Cut Stone" below).
- If you cut the stone horizontally and therefore remove clip above stone, you will need to use Loctite® PL Construction Adhesive on the bottom edge and 2 side edges. Insert the top piece with adhesive into its proper place and press firmly into the surrounding pieces.



Now step back and admire your work. ClipStone® makes it easy!

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